Gopi Saraswat

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Portfoio — https://gopisarswat.github.io/Portfolio/

Summary — As a budding data science enthusiast, I am passionate about exploring data-driven insights and building impactful analytical solutions. I aim to contribute to real-world projects that challenge my problem-solving abilities while continuously enhancing my skills in machine learning, statistics, and data visualization.

Skills

Data Analysis Tools	Power BI, Microsoft Excel (Pivot Tables, Power Query), Tableau
Languages	Python, SQL Server, MySQL, C++
Machine Learning Techniques	Supervised Learning, Unsupervised Learning, Deep Learning (CNN), Feature Engineering
Data Visualization	Dashboards, Map Visualizations, Athlete and Customer Segmentation
Soft Skills	Business and Sales Analysis, Insight Presentation and Reporting, Analytical Thinking and Problem Solving

Education

Lovely Professional University **2025-2027**
Masters of Computer Application
Majors: Data Science ; Artificial Intelligence and Machine Learning

MGS University **2022-2025**
Bachelor of Computer Application
Majors: C++ ; Data Analysis

Projects

Cattlify – Cattle Breed Recognition using Deep Learning

- Developed an AI-based model to identify cattle breeds using a CNN with MobileNetV2 architecture.
- Optimized and converted the trained model into TensorFlow Lite for mobile deployment.
- Built a FastAPI backend to process images and return top breed predictions. Tools Used: Python, TensorFlow, OpenCV, MobileNetV2, TensorFlow Lite, FastAPI

Netflix Data Analysis

- Analyzed Netflix's dataset to uncover content trends, viewing habits, and performance metrics.
- Utilized SQL and Excel for data cleaning, querying, and visualization through pivot charts.
- Generated actionable insights to understand viewer preferences and regional content demand. Tools used: SQL, Microsoft Excel.

Email Spam Classification

- Built a classification model using Python and Scikit-learn to detect spam emails.
- Applied TF-IDF for text vectorization and Naive Bayes for efficient message classification.
- Achieved high accuracy through feature engineering and hyperparameter tuning. Tools used: Python, Scikit-learn, Pandas

Olympics Analysis (1896-2022)

- Designed a Power BI dashboard to visualize Olympic data, including medals and athlete statistics.
- Integrated multiple data sets to compare performance country-by-country between events.
- Dynamic visual reports created that highlight historical trends and key insights. Tools used: Power BI, Microsoft Excel, Python (NumPy, Pandas, Matplotlib)

Certificates

- **The Data Science Course: Complete Data Science Bootcamp 2024 by Career365**
- **Quantium Data Analytics Completion Certificate by Forage**
- **Accenture North America Data Analytics and Visualization Completion Certificate by Forage**
- **Viksit Bharat Young Leader Dialog 2025 by MOYAS of India**